## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	General Electric Company	
Serial No.:	;	) ) Attn: LICENSING AND REVIEW
Filed:	March 31, 2004	) ) )

Title: PRODUCING NICKEL-BAŚE, COBALT-BASE, IRON-BASE, IRON-NICKEL-BASE, OR IRON-NICKEL-COBALT-BASE ALLOY ARTICLES BY REDUCTION OF NONMETALLIC PRECURSOR COMPOUNDS AND MELTING

## DECLARATION UNDER SECTION 305(c) OF THE NATIONAL AERONAUTICS AND SPACE ACT OF 1958

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

SIR:

We, Clifford Earl SHAMBLEN, Andrew Philip WOODFIELD, Eric Allen OTT, and Michael Francis Xavier GIGLIOTTI, hereby declare:

That we are the inventors of the invention described and claimed in the abovereferenced U.S. Patent Application;

That the invention was made while we were employed by the General Electric Company, the assignee of the subject invention, using only the resources of the General Electric Company, including, for example, its funds, facilities, materials, information, and services;

That the invention set forth in the above-referenced U.S. Patent Application was not made (conceived or first actually reduced to practice) under, nor is there any known relationship of the making of the invention to the performance of, any work under any contract of the National Aeronautics and Space Administration;

That we signed this declaration on the date we signed the form papers accompanying the filing of the above-referenced U.S. Patent Application with the understanding that the attorney of record would later insert the appropriate serial number and filing date hereinabove before submitting this Declaration to the U.S. Patent and Trademark Office;

That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therein.

3/25/04	Capped Earl Shumbler
(Date)	Clifford Earl SHAMBLEN
3/25/04	Awrens Philip Woodfield
(Date)	Andrew Philip WOODFIELD
3/25/04	In Jan Jan
(Date)	Eric Allen OTT
(Date)	Michael Francis Xavier GIGLIOTTI

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Serial No.:		)	Attn: LICENSING	G AND REVIEW
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(Date)	Clifford Earl SHAMBLEN
(Date)	Andrew Philip WOODFIELD
(Date)	Eric Allen OTT
Bo Hack 04 (Date)	Michael Francis Xavier GIGLIOTA

129955/11854 (21635-0122)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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### Application Number POWER OF ATTORNEY Filing Date First Named Inventor SHAMBLEN et al. and PRODUCING NICKEL-BASE, COBALT-BASE, **CORRESPONDENCE ADDRESS** IRON-BASE, IRON-NICKEL-BASE, OR IRON-Title NICKEL-COBALT-BASE ALLOY ARTICLES BY REDUCTION OF NONMETALLIC INDICATION FORM PRECURSOR COMPOUNDS AND MELTING **Examiner Name**

**Attorney Docket Number** 

I hereby appoint: Practicioners at Customer 31450 Number: OR Practicioner(s) named below:: Name **Registration Number** as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith. Please recognize or change the correspondence address for the above-identified application to: The above-mentioned Customer Number: The address associated with Customer Number: OR Firm or Individual Name Address Address State City Zip Country Telephone Fax I am the: M Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). SIGNATURE of Applicant or Assignee of Record Clifford Earl Shamblen Name Signature 513 - 243-4114 Date 25/04 Telephone NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*. \*Total of 4 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

129955/11854 (21635-0122)

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# POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM Application Number Filing Date First Named Inventor SHAMBLEN et al. PRODUCING NICKEL-BASE, COBALT-BASE, IRON-NICKEL-BASE, OR IRON-NICKEL-COBALT-BASE, IRON-NICKEL-BASE, OR IRON-NICKEL-COBALT-BASE ALLOY ARTICLES BY REDUCTION OF NONMETALLIC PRECURSOR COMPOUNDS AND MELTING Art Unit Examiner Name n/a

**Attorney Docket Number** 

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This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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n/a

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**Examiner Name** 

### **Application Number POWER OF ATTORNEY Filing Date First Named Inventor** SHAMBLEN et al. and PRODUCING NICKEL-BASE, COBALT-BASE, **CORRESPONDENCE ADDRESS** IRON-BASE, IRON-NICKEL-BASE, OR IRON-NICKEL-COBALT-BASE ALLOY ARTICLES INDICATION FORM BY REDUCTION OF NONMETALLIC PRECURSOR COMPOUNDS AND MELTING

				Attorney Docket N	umber 12	29955/11854 (21635-0122)
I he	eby appoint:					
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$\Box$	Practicioner(s) nam	ed below::				
		Name			Registratio	on Number
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	ny/our attorney(s) or a es Patent and Traden			on identified abov	e, and to tran	nsact all business in the United
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Date		3-25-04		Telephone	513	743-8929
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.  Submit multiple forms if more than one signature is required, see below.						
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\*Total of 4 forms are submitted.

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## **POWER OF ATTORNEY** and **CORRESPONDENCE ADDRESS INDICATION FORM**

Application Number				
Filing Date				
First Named Inventor	SHAMBLEN et al.			
Title	PRODUCING NICKEL-BASE, COBALT-BASE, IRON-BASE, IRON-NICKEL-BASE, OR IRON-NICKEL-COBALT-BASE ALLOY ARTICLES BY REDUCTION OF NONMETALLIC PRECURSOR COMPOUNDS AND MELTING			
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Examiner Name	n/a			
Attorney Docket Number	129955/11854 (21635-0122)			

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				ire interest. See 3 '3(b) is enclosed.	7 CFR 3.71. (Form PTO/SB/96).			
	SIGNATURE of Applicant or Assignee of Record							
Nam	e	Michael Fra	ancis Xavier Gigli	iotti,				
Sign	ature	Reeles	French	an die	terd,			
Date		30 as	~04	25		18 3	87 6356	
NOTE Subm	NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.  Submit multiple forms if more than one signature is required, see below*.							
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PRODUCING NICKEL-BASE, COBALT-BASE, IRON-BASE, IRON-NICKEL-

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention

PRECURSOR COMPOUNDS AND MELTING						
As the below named invento	As the below named inventor(s), I/we declare that:					
This declaration is directed t	o:					
	The attached application,	or				
	Application No, fil	ed on,				
	as amended on	_ (if applicabl	e);			
I/we believe that I/we am/are for which a patent is sought;	e the original and first invento	or(s) of the su	ubject matter which is claimed	d and		
I/ we have reviewed and uclaims, as amended by any	inderstand the contents of amendment specifically refer	the above-id red to above;	entified application, including	g the		
known to me/us to be mater which became available be	I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and					
and belief are believed to be	true, and further that these the like are punishable by f	statements wine or impriso	nents made herein on inform ere made with the knowledge onment, or both, under 18 U ssuing thereon.	e that		
FULL NAME OF INVENTOR(	S)		,			
Inventor one: Clifford Earl	Shamblen			_		
Signature: Cufford	Earl Shambler	Citizen of:	United States of America	_		
Inventor two: Andrew Phi	lip Woodfield					
Signature: Andrew P	iliz Woodfield	Citizen of:	United States of America	74(20) _3125/01		
Inventor three: Eric Allen C	Ott					
Signature: 500	the F	Citizen of:	United States of America			
Inventor four: Michael Fra	ancis Xavier Gigliotti					
Signature:		Citizen of:	United States of America	ŀ		

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Additional inventors are being named on \_\_\_\_\_ additional form(s) attached hereto.

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention   F BASE, OR IRON-NIC PRECURSOR COMF	CKEL-CO	BALT-BASE ALLOY ART	ALT-BASE, I TICLES BY R	RON-BASE, IRON-NICKEL- EDUCTION OF NONMETALLIC	
As the below named inventor(s), I/we declare that:					
This declaration is dir	ected to:			•	
•	$\boxtimes$	The attached application,	, or		
		Application No, fil	ed on,		
•		as amended on	_ (if applicabl	e);	
I/we believe that I/we for which a patent is	am/are t sought;	he original and first invent	or(s) of the su	bject matter which is claimed and	
I/ we have reviewed claims, as amended t	l and uno by any an	derstand the contents of nendment specifically refer	the above-id red to above;	entified application, including the	
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and					
All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C.					
1001, and may jeopardize the validity of the application or any patent issuing thereon.					
FULL NAME OF INVE	NTOR(S)	)			
Inventor one: Cliffo	ord Earl S	hamblen		·	
Signature:			Citizen of:	United States of America	
Inventor two: Andrew Philip Woodfield					
 Signature:			Citizen of:	United States of America	
Inventor three: Eric	Allen Ott				
Signature:			Citizen of:	United States of America	
 Inventor four: Michael Francis Xavier Gigliotti					
Signature: Manual States of America					

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additional form(s) attached hereto.

☐ Additional inventors are being named on